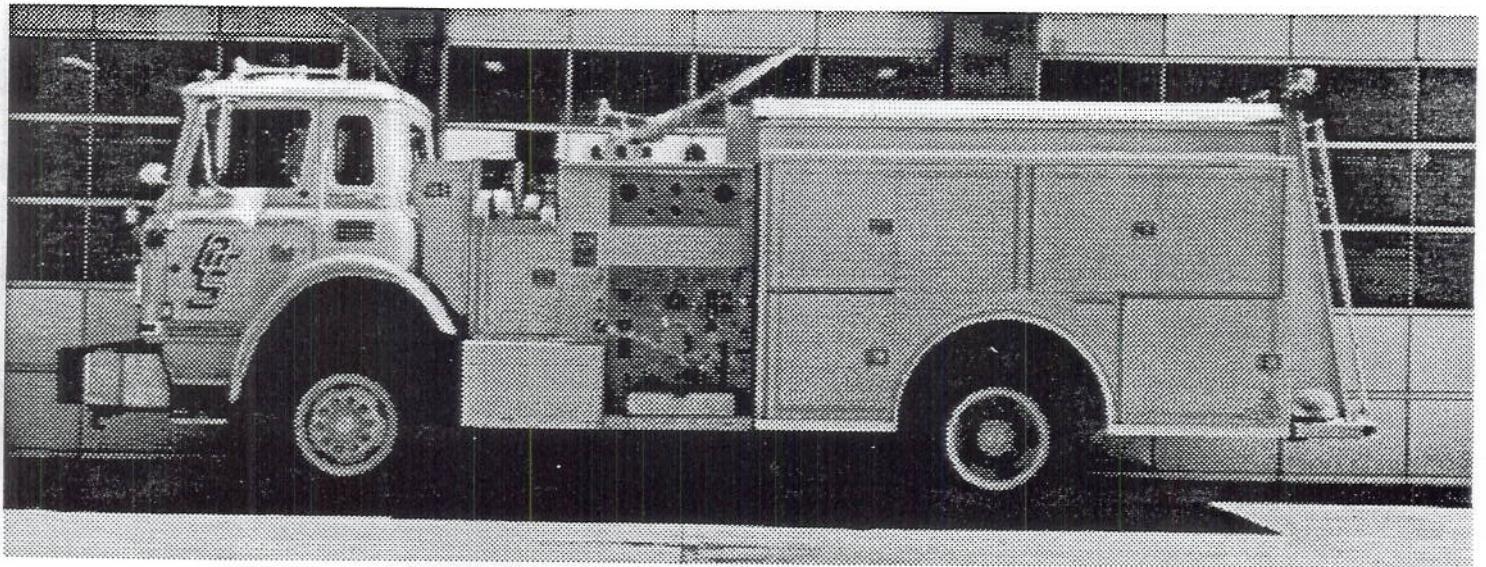


**State of California  
Office of Emergency Services**

**FIRE AND RESCUE DIVISION**



**OPERATOR'S MANUAL**

**FIRE APPARATUS  
Model 1950-B**

**Series No. 208 through 212**

## STATISTICAL INFORMATION

### ENGINE AND CHASSIS

MAKE: INTERNATIONAL                      MODEL: 1950B CARGOSTAR  
YEAR: OES            208-212                      1984  
ENGINE: INTERNATIONAL                      MODEL: DT466C/210 HP  
CRANKCASE CAPACITY:                      16 QUARTS WITH FILTER  
ENGINE OIL:                      S.A.E. #30 - USE OILS MEETING THE FOLLOWING ENGINE SERVICE  
   CLASSIFICATION  
   CD/SF OR CD/SE  
   (MIL - L - 46152B AND MIL -L-2104D)  
FUEL TYPE:                      DIESEL (MINIMUM CETANE RATING OF 40)  
FUEL COPACITY:                      100 GALLONS  
   (50 GALLONS LEFT/50 GALLONS RIGHT)  
   NOTE: TANKS ARE EQUALIZED  
AIR CLEANER:                      TWO-STAGE, DRY TYPE  
   (REFER TO ENGINE MANUAL FOR SERVICE INSTRUCTIONS)  
COOLING SYSTEMS CAPACITY: APPROXIMATELY 50 QUARTS  
SYEERING:                      INTEGRAL POWER STEERING (DEXTRON II - TYPE XT-2  
   QDX OR EQUIVALENT)  
REAR AXLE:                      2-SPEED EATON MODEL: 23221  
RATIOS:                      4.88/6.64    RATED CAPACITY 23,000#  
TRANSMISSION CAPACITY:                      18 PINTS    TRANSMISSION OIL: S.A.E. 50  
DIFFERENTIAL:                      S.A.E. #90 GEAR OIL  
TIRES:                      1100 X 20, 14-PLY    PRESSURE: 85    PSI

STATISTICAL INFORMATION (Continued)

FIRE BODY AND PUMPS

BODY BUILDUP: WESTATES

MAIN PUMP: WATEROUS MODEL: CSMB-1000

RATING: 1000 GPM - SINGLE STAGE

BOOSTER PUMP: WATEROUS MODEL: CPK-2-300 (PTO-DRIVE)

RATING: 300 GPM - 150 PSI

NOTE: DAMAGE WILL OCCUR IF BOOSTER PUMP IS OPERATED IN EXCESS OF 2,600 ENGINE RPM!

WATER TANK CAPACITY: 750 GALLONS

TANK CONSTRUCTION: CROSSLINK/POLYURETHANE

NOTE: REFER TO WATEROUS PUMP MANUAL FOR MAINTENANCE INSTRUCTIONS.



State of California  
OFFICE OF EMERGENCY SERVICES  
Fire and Rescue Division

EXHIBIT "A" - EQUIPMENT INVENTORY

ENGINE NUMBER: _____	LICENSE NUMBER: _____	SERIAL NUMBER: _____	MOTOR NUMBER: _____
1 DELUGE SET W/STREAM STRAIGHTENER & TIPS 1-1/2" - 1-3/4" - 2"		2 ROPE, 1/2" X 100'	
1 LOG BOOK/CREDIT CARD		2 NOZZLE 2-1/2" SHUTOFF W/TIPS	
1 FIRE EXTINGUISHER 4# OR 5#		1 NOZZLE 2-1/2" FOG	
1 FIRST AID KIT		2 HOSE, HARD SUCTION 5" X 10'	
1 SOFT SUCTION HOSE 2-1/2" X 12'		1 STRAINER, 5" SUCTION HOSE	
5 CAP, 2-1/2" DISCHARGE		1 ADAPTER, 5" X 4-1/2" DF HYDRANT	
1 PLUG, 2-1/2" SUCTION		1 ADAPTER, 5" X 4" DF HYDRANT	
1 ADAPTER 1-1/2" IPF TO 1-1/2" NSM		1 ADAPTER, 5" X 2-1/2" DF HYDRANT	
1 ADAPTER 1-1/2" PCF TO 1-1/2" NSM		1 WYE, GATED 2-1/2" NSF X 2 1-1/2" NSM	
1 ADAPTER 1-1/2" NSF TO 1-1/2" PCM		1 HOSE, BOOSTER 3/4" X 150'	
1 ADAPTER 1-1/2" NSF TO 1-1/2" IPM		4 NOZZLE, 1-1/2" COMBINATION	
1 COUPLING 2-1/2" DM		2 NOZZLE, 1" COMBINATION	
2 COUPLING 2-1/2" DF		2 BELT, TAILBOARD SAFETY	
1 REDUCER 2-1/2" NSF TO 1-1/2" NSM		1 JACK, HYDRAULIC W/HANDLE	
1 REDUCER 1-1/2" NSF TO 1" IPM		1 WRENCH, LUG W/HANDLE	
1 INCREASER 1" IPF TO 1-1/2" NSM		1 CRANK, HOSE REEL	
1 SIAMESE 2-1/2"		1 CHAIN, TOW 25', W/GRAB HOOKS	
1 WRENCH, ADJUSTABLE HYDRANT		24 HOSE, 2-1/2" NST 50' LENGTH	
1 WRENCH, HOSE SPANNER		12 HOSE, 1-1/2" NST 50' LENGTH	
1 WRENCH, HARD SUCTION HOSE SPANNER		8 HOSE, 1" NST 50' LENGTH	
1 STRAP, HOSE & LADDER		1 CLAMP, HOSE (HEBERT)	
1 LANTERN, HAND, 6 VOLT		1 PIKE POLE	
1 RADIO, MOBILE SER. # _____		1 LADDER, 24' EXTENSION	
OES # _____		1 LADDER, 14' ROOF	
1 RADIO, MOBILE SER. # _____		1 HOSE, SOFT SUCTION 4-1/2" X 12'	
OES # _____		1 KIT, RADEF	
1 BOOK, RADIO MAINTENANCE LOG		1 AXE, PICKHEAD W/MOUNTING	
1 Mallet, RUBBER		BRACKET & GUARD	
1 CUTTER, BOLT		1 MANUAL, CHASSIS	
1 SHOVEL		1 MANUAL, ENGINE	
1 BAR, CROW		1 MANUAL, PUMP	
1 HAMMER, SLEDGE		1 OES OPERATIONS GUIDE	
1 KIT, REFLECTOR, 3-UNIT		1 OES BULLETIN BOOK	
		1 FLOTO PUMP, OES # _____	

INVENTORY APPLIES TO OES ENGINES 201 AND UP

REMARKS: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

DEPARTMENT: \_\_\_\_\_ DATE: \_\_\_\_\_